

PRODUCT CHANGE NOTICE

PCN Form (D4-E000-73)

PCN#21-044

NOTIFICATION DATE: September 29, 2021

MODELS AFFECTED:

PMA-183PLN+

TB-PMA-183PLN+

TB-PMA-183PLNC+

EXTENT OF CHANGE:

Change datasheet specifications for:

- 1) Update Characterization and Application Circuit– **Change R2 from 499 ohms to 180 ohms.**
- 2) Update RF Specification for Typical, Min & Max (**see Table below**).

EFFECT OF CHANGE:

Parameter	Conditions (MHz)	Old Specs			New Specs			Units
		Min.	Typ.	Max.	Min.	Typ.	Max.	
Frequency Range		6		18	6		18	GHz
Gain	6000	20.3	25.1	27.9	20.7	26.3	29.1	dB
	10000	19.4	25.0	28.8	19.0	26.3	29.6	
	15000	21.3	26.1	30.1	20.8	27.5	30.3	
	18000	-	27.7	-	-	29.7	-	
Input Return Loss	6000		9			10.2		dB
	10000		14			14.8		
	15000		12			12.7		
	18000		8			9.1		
Output Return Loss	6000		10			11.4		dB
	10000		14			15.3		
	15000		20			16.9		
	18000		18			25.0		
Output Power at 1dB Compression ₂	6000		9.7			9.8		dBm
	10000		8.0			8.6		
	15000		9.1			9.6		
	18000		10.1			10.2		
Output IP3	6000		24.6			25.0		dBm
	10000		19.3			22.0		
	15000		20.5			22.4		
	18000		20.7			21.9		
Noise Figure	6000		1.2			1.4		dB
	10000		1.1			1.3		
	15000		1.1			1.2		
	18000		1.2			1.3		
Device Operating Current (IDD)		-	53	67	-	57.2	72	mA

REASON FOR CHANGE:

Variation between original wafer design lot and production wafer

EFFECTIVE DATE OF CHANGE:

Immediate

QUESTIONS?

[PLEASE CONTACT US.](#)

AS9100 ISO9001 ISO14001 Certified to QMS and EMS